

KIF7 antibody

Product Information

Catalog No.:	FNab04570
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

Essential for hedgehog signaling regulation: acts as both a negative and positive regulator of sonic hedgehog(Shh) and Indian hedgehog(Ihh) pathways, acting downstream of SMO, through both SUFU-dependent and-independent mechanisms(PubMed:21633164). Involved in the regulation of microtubular dynamics. Required for proper organization of the ciliary tip and control of ciliary localization of SUFU-GLI2 complexes(By similarity). Required for localization of GLI3 to cilia in response to Shh. Negatively regulates Shh signaling by preventing inappropriate activation of the transcriptional activator GLI2 in the absence of ligand. Positively regulates Shh signaling by preventing the processing of the transcription factor GLI3 into its repressor form. In keratinocytes, promotes the dissociation of SUFU-GLI2 complexes, GLI2 nuclear translocation and Shh signaling activation(By similarity). Involved in the regulation of epidermal differentiation and chondrocyte development(By similarity).

Immunogen information

Immunogen:	kinesin family member 7
Synonyms:	Kinesin-like protein KIF7 KIF7
Observed MW:	150 kDa
Uniprot ID :	Q2M1P5

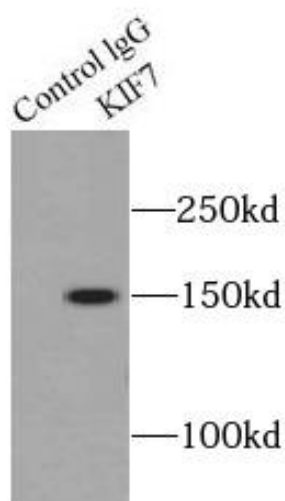
Application

Reactivity:	Human
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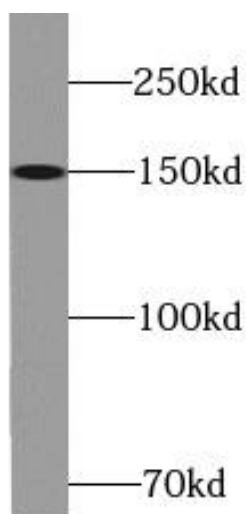
Tested Application: ELISA, IP, WB

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:1000

Image:



IP Result of anti-KIF7 (IP: FNab04570, 4ug;
Detection: FNab04570 1:500) with HEK-293 cells
lysate 2000ug.



HEK-293 cells were subjected to SDS PAGE
followed by western blot with FNab04570(KIF7
Antibody) at dilution of 1:1000